Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/03/2019 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124451	-1	1.05	124510	1.07
Blue	F	SSC	125000	123513	-2	1.96	124337	1.93
Blue	E	FITC	16122	15687	-3	2.72	340	19.68
Blue	D	PE	29316	28929	-2	1.91	631	14.51
Blue	B	PerCP-Cy5-5	42590	42004	-2	3.68	1131	20.16
Blue	A	PE-Cy7	33146	32984	-1	5.99	631	39.63
Red	C	APC	45473	44756	-2	2.40	1584	12.19
Red	A	APC-Cy7	31961	30883	-4	2.36	817	12.14
Violet	B	V450	7914	7518	-6	5.90	420	14.03
Violet	A	V500	29769	28475	-5	5.73	663	11.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20707	3.11	608	8	N/A	N/A	Pass
Blue	F	SSC	56153	1.37	551	13	N/A	N/A	Pass
Blue	E	FITC	61	61.47	540	3	0.0203	82	Pass
Blue	D	PE	132	48.86	543	6	0.1686	275	Pass
Blue	B	PerCP-Cy5-5	208	49.42	648	10	0.0092	58	Pass
Blue	A	PE-Cy7	116	102.05	700	9	0.0118	27	Pass
Red	C	APC	378	25.72	588	9	0.0243	186	Pass
Red	A	APC-Cy7	179	29.65	564	8	0.0054	1160	Pass
Violet	B	V450	65	60.23	466	6	0.0481	1999	Pass
Violet	A	V500	100	33.28	478	6	0.0213	591	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.40	-31.97	1.02
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.51
Red	16.47	13.60 - 20.40	N/A	N/A	29.54	29.97	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13300

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments